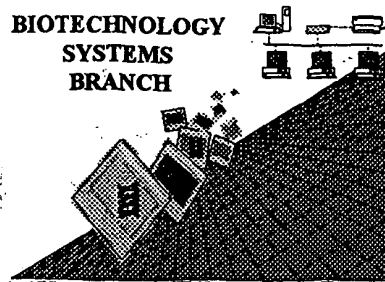


BIOTECHNOLOGY  
SYSTEMS  
BRANCH



## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/029,219  
Source: ORF  
Date Processed by STIC: 1/15/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER  
VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND  
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom, including:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)

2. U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202

3. Hand Carry directly to:

U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7<sup>th</sup> Floor, Examiner Name,  
Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202

Or

U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two,  
2011 South Clark Place, Arlington, VA 22202

4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office,  
Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

# Raw Sequence Listing Error Summary

## ERROR DETECTED

## SUGGESTED CORRECTION

SERIAL NUMBER: 10/029, 217

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1      Wrapped Nucleics  
    Wrapped Aminos      The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2      Invalid Line Length      The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3      Misaligned Amino  
    Numbering      The numbering under each 5<sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4      Non-ASCII      The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5      Variable Length      Sequence(s)          contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6      PatentIn 2.0  
    "bug"      A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s)         . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7      Skipped Sequences  
    (OLD RULES)      Sequence(s)          missing. If intentional, please insert the following lines for each skipped sequence:  
    (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
    (i)      SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)  
    (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
    This sequence is intentionally skipped  
  
    Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8      Skipped Sequences  
    (NEW RULES)      Sequence(s)          missing. If intentional, please insert the following lines for each skipped sequence.  
    <210> sequence id number  
    <400> sequence id number  
    000
- 9   1   Use of n's or Xaa's  
    (NEW RULES)      Use of n's and/or Xaa's have been detected in the Sequence Listing.  
    Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.  
    In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10      Invalid <213>  
    Response      Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial-Sequence
- 11      Use of <220>      Sequence(s)          missing the <220> "Feature" and associated numeric identifiers and responses.  
    Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.  
    (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12      PatentIn 2.0  
    "bug"      Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13      Misuse of n      n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.

OIPE

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/029,217

DATE: 01/15/2002  
TIME: 07:51:04

Input Set : A:\UTSD695US.txt  
Output Set: N:\CRF3\01152002\J029217.raw

**Does Not Comply**  
**Corrected Diskette Needed**

3 <110> APPLICANT: OLSON, ERIC N.  
4 WANG, DA-ZHI  
6 <120> TITLE OF INVENTION: METHODS AND COMPOSITIONS RELATING TO A CARDIAC-SPECIFIC  
7 NUCLEAR REGULATORY FACTOR  
9 <130> FILE REFERENCE: UTSD:695US  
11 <140> CURRENT APPLICATION NUMBER: US/10/029,217  
12 <141> CURRENT FILING DATE: 2001-12-21  
14 <150> PRIOR APPLICATION NUMBER: 60/257,761  
15 <151> PRIOR FILING DATE: 2000-12-21  
17 <160> NUMBER OF SEQ ID NOS: 32  
19 <170> SOFTWARE: PatentIn Ver. 2.1

#### ERRORED SEQUENCES

2453 <210> SEQ ID NO: 26  
2454 <211> LENGTH: 807  
2455 <212> TYPE: PRT  
2456 <213> ORGANISM: Homo sapiens  
2458 <400> SEQUENCE: 26  
2459 Met Asp Ser Ser Val Lys Glu Ala Ile Lys Gly Thr Glu Val Ser Leu  
2460 1 5 10 15  
2462 Ser Lys Ala Ala Asp Ala Phe Ala Phe Glu Asp Asp Ser Ser Arg Asp  
2463 20 25 30  
2465 Gly Leu Ser Pro Asp Gln Ala Arg Ser Glu Asp Pro Gln Gly Ser Thr  
2466 35 40 45  
2468 Gly Ser Thr Pro Asp Ile Lys Ser Thr Glu Ala Pro Leu Asp Thr Ile  
2469 50 55 60  
2471 Gln Asp Leu Thr Pro Gly Ser Glu Ser Asp Lys Asn Asp Ala Ala Ser  
2472 65 70 75 80  
2474 Gln Pro Gly Asn Gln Ser Asp Pro Gly Lys Gln Val Leu Gly Pro Leu  
2475 85 90 95  
2477 Ser Thr Pro Ile Pro Val His Thr Ala Val Lys Ser Lys Ser Leu Gly  
2478 100 105 110  
2480 Asp Ser Lys Asn Arg His Lys Lys Pro Lys Asp Pro Lys Pro Lys Val  
2481 115 120 125  
2483 Lys Lys Leu Lys Tyr His Gln Tyr Ile Pro Pro Asp Gln Lys Ala Glu  
2484 130 135 140  
2486 Asn Ser Pro Pro Pro Met Asp Ser Ala Tyr Ala Arg Leu Leu Gln Gln  
2487 145 150 155 160  
2489 Gln Gln Leu Phe Leu Gln Leu Gln Ile Leu Ser Gln Gln Gln Gln Gln  
2490 165 170 175  
2492 Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln  
2493 180 185 190  
2495 Arg Phe Ser Tyr Pro Gly Met His Gln Thr His Leu Lys Glu Pro Asn  
2496 195 200 205  
2498 Glu Gln Met Ala Arg Asn Pro Asn Pro Ser Ser Thr Pro Leu Ser Asn

## RAW SEQUENCE LISTING

DATE: 01/15/2002

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Input Set : A:\UTSD695US.txt

Output Set: N:\CRF3\01152002\J029217.raw

2499            210                            215                            220  
 E--> 2501 Thr Pro Leu Ser Pro Val Lys Asn Xaa Ile Ser Gly Gln Thr Gly Val  
 2502 225                            230                            235                            240  
 2504 Ser Ser Leu Lys Pro Gly Pro Leu Pro Pro Asn Leu Asp Asp Leu Lys  
 2505                            245                            250                            255  
 2507 Val Ser Glu Leu Arg Gln Gln Leu Arg Ile Arg Gly Leu Pro Val Ser  
 2508                            260                            265                            270  
 2510 Gly Thr Lys Thr Ala Leu Val Asp Arg Leu Arg Pro Phe Gln Asp Cys  
 2511                            275                            280                            285  
 2513 Ala Gly Asn Pro Val Pro Asn Phe Gly Asp Ile Thr Thr Val Thr Phe  
 2514                            290                            295                            300  
 2516 Pro Val Thr Pro Asn Thr Leu Pro Ser Tyr Gln Ser Ser Pro Thr Gly  
 2517 305                            310                            315                            320  
 2519 Phe Tyr His Phe Gly Ser Thr Ser Ser Ser Pro Pro Ile Ser Pro Ala  
 2520                            325                            330                            335  
 2522 Ser Ser Asp Leu Ser Ala Ala Gly Ser Leu Pro Asp Thr Phe Thr Asp  
 2523                            340                            345                            350  
 2525 Ala Ser Pro Gly Phe Gly Leu His Ala Ser Pro Val Pro Ala Cys Thr  
 2526                            355                            360                            365  
 2528 Asp Glu Ser Leu Leu Ser Ser Leu Asn Gly Gly Ser Gly Pro Ser Glu  
 2529                            370                            375                            380  
 2531 Pro Asp Gly Leu Asp Ser Glu Lys Asp Lys Met Leu Val Glu Lys Gln  
 2532 385                            390                            395                            400  
 2534 Lys Val Ile Asn Gln Leu Thr Trp Lys Leu Arg Gln Glu Gln Arg Gln  
 2535                            405                            410                            415  
 2537 Val Glu Glu Leu Arg Met Gln Leu Gln Lys Gln Lys Ser Ser Cys Ser  
 2538                            420                            425                            430  
 2540 Asp Gln Lys Pro Leu Pro Phe Leu Ala Thr Thr Ile Lys Gln Glu Asp  
 2541                            435                            440                            445  
 2543 Val Ser Ser Cys Pro Phe Ala Pro Gln Gln Ala Ser Gly Lys Gly Gln  
 2544                            450                            455                            460  
 2546 Gly His Ser Ser Asp Ser Pro Pro Pro Ala Cys Glu Thr Ala Gln Leu  
 2547 465                            470                            475                            480  
 2549 Leu Pro His Cys Val Glu Ser Ser Gly Gln Thr His Val Leu Ser Ser  
 2550                            485                            490                            495  
 2552 Thr Phe Leu Ser Pro Gln Cys Ser Pro Gln His Ser Pro Arg Gly Gly  
 2553                            500                            505                            510  
 2555 Leu Lys Ser Pro Gln His Ile Ser Leu Pro Pro Ser Pro Asn Asn His  
 2556                            515                            520                            525  
 2558 Tyr Phe Leu Ala Ser Ser Ser Gly Ala Gln Arg Glu Asn His Gly Val  
 2559                            530                            535                            540  
 2561 Ser Ser Pro Ser Ser Ser Gln Gly Cys Ala Gln Met Thr Gly Leu Gln  
 2562 545                            550                            555                            560  
 2564 Ser Ser Asp Lys Val Gly Pro Thr Phe Ser Ile Pro Ser Pro Thr Phe  
 2565                            565                            570                            575  
 2567 Ser Lys Ser Ser Ser Ala Val Ser Asp Ile Thr Gln Pro Pro Ser Tyr  
 2568                            580                            585                            590  
 2570 Glu Asp Ala Val Lys Gln Gln Met Thr Arg Ser Gln Gln Met Asp Glu  
 2571                            595                            600                            605

→ see  
 item 9  
 on Enn  
 summary  
 sheet

## RAW SEQUENCE LISTING

DATE: 01/15/2002

PATENT APPLICATION: US/10/029,217

TIME: 07:51:04

Input Set : A:\UTSD695US.txt

Output Set: N:\CRF3\01152002\J029217.raw

```

2573 Leu Leu Asp Val Leu Ile Glu Ser Gly Glu Met Pro Ala Asp Ala Arg
2574      610      615      620
2576 Glu Asp His Ser Cys Leu Gln Lys Ile Pro Lys Ile Pro Gly Ser Ser
2577 625      630      635      640
2579 Cys Ser Pro Thr Ala Ile Pro Pro Lys Pro Ser Ala Ser Phe Glu Gln
2580      645      650      655
2582 Ala Ser Ser Gly Gly Gln Met Ala Phe Asp His Tyr Ala Asn Asp Ser
2583      660      665      670
2585 Asp Glu His Leu Glu Val Leu Leu Asn Ser His Ser Pro Ile Gly Lys
2586      675      680      685
2588 Val Ser Asp Val Thr Leu Leu Lys Ile Gly Ser Glu Glu Pro Pro Phe
2589      690      695      700
2591 Asp Ser Ile Met Asp Gly Phe Pro Gly Lys Ala Ala Glu Asp Leu Phe
2592 705      710      715      720
2594 Ser Ala His Glu Leu Leu Pro Gly Pro Leu Ser Pro Met His Ala Gln
2595      725      730      735
2597 Leu Ser Pro Pro Ser Val Asp Ser Ser Gly Leu Gln Leu Ser Leu Pro
2598      740      745      750
2600 Glu Ser Pro Trp Glu Thr Met Glu Trp Leu Asp Leu Thr Pro Pro Ser
2601      755      760      765
2603 Ser Thr Pro Gly Phe Ser Asn Leu Thr Ser Ser Gly Pro Ser Ile Phe
2604      770      775      780
2606 Asn Ile Asp Phe Leu Asp Val Thr Asp Leu Asn Leu Asn Ser Pro Met
2607 785      790      795      800
2609 Asp Leu His Leu Gln Gln Trp
2610      805

```

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/029,217

DATE: 01/15/2002

TIME: 07:51:05

Input Set : A:\UTSD695US.txt

Output Set: N:\CRF3\01152002\J029217.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:2305 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:25  
L:2305 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25  
L:2501 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:26